

What is Claimed is:

PATENT CLAIMS

1. System for assisting an operator of a technical appliance, with a image display device, of which the image is in the normal field of vision of the operator, for display of operationally relevant information in the form of images or symbols, thereby characterized, that the respective image or symbol (1) is displayed at least once for a short period of time.
2. System according to Claim 1, thereby characterized, that the duration of the display is below the threshold of recognition and above a subconscious threshold of detection of the operator.
3. System according to Claim 1 or 2, thereby characterized, that the operationally relevant information is displayed immediately after the appropriate situation is recognized, for a short period of time.
4. System according to one of the preceding claims, thereby characterized, that the operationally relevant information is warning information.
5. System according to one of the preceding claims, thereby characterized, that the technical appliance is an automotive vehicle.
6. System according to Claim 5, characterized by at least one device for automatic recognition of situations, which may require the reaction of the automotive vehicle operator and a device for controlling the image display device (2), which displays appropriate operationally relevant information, when an appropriate situation is recognized.
7. System according to Claim 6, thereby characterized, that the situation to be recognized is a danger situation.

8. System according to Claim 7, thereby characterized, that the at least one device for automatic recognition of these situations is one or more of the following devices:

- a) A device for recognition of an inappropriate speed of the vehicle prior to a curve,
- b) a device for recognition of traffic signs,
- c) a device for recognition of road conditions,
- d) a device for recognition of traffic signals
- e) a device for recognition of approach situations,
- f) a device for recognition of crossing situations,
- g) a device for recognition of pedestrians,
- h) a device for recognition of low signal amplitude and tedious driving situations.

9. System according to Claim 6, thereby characterized, that the at least one device for automatic recognition of situations, which may possibly require the reaction of the automotive vehicle operator, includes a navigation device and/or a device for monitoring operational values of the vehicle.

10. System according to one of Claims 6-9, thereby characterized, that the short time displayed images or symbols (1) include one or more of the following objects:

- a) Images of appropriate situations,
- b) Pictograms,
- c) Traffic signals,
- d) Arrows,
- e) Written words.

11. System according to one of the preceding claims, thereby characterized, that the image display device is a heads-up display.

12. System according to Claim 11, thereby characterized, that the heads-up display is wearable by the operator in the manner of a glasses or goggles.

13. System according to one of Claims 1-10, thereby characterized, that the image display device is a display screen (2) for direct observation by the operator.

14. System according to Claim 5 and Claim 13, thereby characterized, that the display screen is a display screen (2) with controllable pixels on the instrument panel for representation of operating parameters of the vehicle.

15. System according to one of the preceding claims, thereby characterized, that the duration, with which a respective image or symbol (1) is displayed for a short period of time, is adjustable by the operator.

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